

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Sunao TABATA et al.
Title: IMAGE COMPRESSION
DECODING APPARATUS AND
METHOD THEREOF



Appl. No.: Unassigned

Filing Date: 09/19/2020

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56

Commissioner for Patents
Box PATENT APPLICATION
Washington, D.C. 20231

Sir:

Submitted herewith on Form PTO-1449 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR § 1.97(b), within three (3) months of the filing date of the application.

RELEVANCE OF EACH DOCUMENT

Document A3 discloses that before compression, smoothing is performed in accordance with a discrimination signal, and compression data and identification information are stored. After decoding, enhancement processing is performed in accordance with the discrimination signal, thereby achieving a high-quality image.

Document A4 discloses that compression processing is changed in accordance with the result of discrimination by discrimination means or the copy condition.

Document A5 discloses that brightness and color difference are dividedly obtained, and it is determined by using color-difference information whether a color edge is present or not n units of one block, and encoding is adaptably switched.

Document A6 discloses that in brightness/color-difference division type of block encoding, color-difference information is restored in units of one pixel on the basis of two block representative values of each of brightness and color difference, and brightness information is obtained in units of one pixel which is decoded.

Document A7 discloses that brightness/color-difference conversion is adaptably performed by using a discrimination signal.

English translations of documents A3-A7 are not readily available; however, the absence of such translations does not relieve the PTO from its duty to consider the submitted documents (37 C.F.R. § 1.98 and M.P.E.P. § 609). English language abstracts are provided for documents A3, A4, and A7.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		APPLICANT Sunao TABATA et al.	
		FILING DATE 09/19/2020	GROUP ART UNIT Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	A1	5,315,413	05/94	Yamamoto et al	358	512	

U.S. PATENT APPLICATION

EXAMINER INITIAL	REF	APPLICATION NUMBER	Atty. Dkt. Number	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	A2	09/138,284	016907/0938	Tabata et al.			Aug. 21, 1998

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	A3	7-307869	11/95	Japan				Abst.
	A4	7-30732	01/95	Japan				Abst.
	A5	3004272	11/99	Japan				No
	A6	2618988	03/97	Japan				No
	A7	2000-32286	01/00	Japan				Abst.

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
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* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.